Amendments to the Specification

Please add the following paragraphs after paragraph [0035] of the publication of the present application, U.S. Publication No. 2002/0078342.

The following tables show the order of events that transpire for each of the protocols (SSL and TLS) based on the direction of the flow.

Table 1: SSL Outbound

Protocol & Direction	Label	Description	Data Source
SSL Outbound	SSL_Ob_1	Nothing (note)	
	SSL_Ob_3	Fe to CIF - Crypto Key (3DES - 23 bytes; ARC4-260 bytes)	MRF2CIF AF2CIF
	SSL_Ob_2	Fe to AIF - auth header (MD5 - 27 bytes; SHA1 - 31 bytes)	AF2AIF?
	SSL_Ob_4	Fe to AIF and CIF - payload (cleartext)	AF2AIF AF2CIF
	SSL_Ob_5	Auth unit processing the MAC	
	SSL_Ob_6	Crypto processing to COF	
	SSL_Ob_7	AOF to CIF - move MAC to crypto	FEEDBACK
	SSL_Ob_8	Crypto processing to COF	
	SSL_Ob_9	Padding - on 3DES padding is done by CIF alignment unit	Crypto Internal
	SSL_Ob_A	Crypto processing to COF	

Auth_header = Mac_write_secret + seq_num + content_type + payload_length

Table 2: SSL Inbound

Protocol & Direction	Label	Description	Data Source
SSL-3DES Inbound Pass 1	SSL_Ib_3DES _Crypto_1	Fe to CIF - Crypto Key (32 bytes)	MRF2CIF
	SSL_Ib_3DES _Crypto_2	FE 2 CIF - payload (ciphertext)	AF2CIF
	SSL_Ib_3DES _Crypto_3	Cryptoprocessing to COF	AF2AIF?
SSL-3DES	SSL_Ib_3DES _AUTH_1	Fe to AIF - auth header (MD5 - 27 bytes; SHA1 - 31 bytes)	AF2AIF?

Inbound Pass2	SSL_Ib_3DES _AUTH_2	Fe to AIF - payload (cleartext)	AF2AIF
	SSL_Ib_3DES _AUTH_3	Auth Processing	
	SSL_Ib_3DES _AUTH_4	Auth MAC to AOF	
SSL - ARC4 Inbound	SSL_Ib_ac4_2	Fe to CIF - Crypto Key (260 bytes)	AF2CIF
	SSL_Ib_ac4_1	Fe to AIF - auth header (MD5 - 27 bytes; SHA1 - 32 bytes)	AF2AIF?
	SSL_Ib_ac4_3	Fe to CIF - payload (ciphertext)	AF2CIF
	SSL_Ib_ac4_4	COF to AIF - crypto out to AIF (move amount specified by length, loaded earlier. May not be aligned.)	FEEDBACK
	SSL_Ib_ac4_5	Auth Processing	
	SSL_Ib_ac4_4	Auth MAC to AOF	

Auth_header = Mac_write_secret + seq_num + content_type + payload_length

Table 3: TLS Outbound

Protocol & Direction	Label	Description	Data Source
TLS Outbound	TLS_Ob_1	Fe to AIF - Inner State (MD5 - 16 bytes; SHA1 - 20 bytes)	AF2AIF?
	TLS_Ob_3	Fe to CIF - Crypto Key (3DES - 32 bytes; ARC4-260 bytes)	MRF2CIF AF2CIF
	TLS_Ob_2	Fe to AIF - auth header (13 bytes)	MRF2AIF
	TLS_Ob_4	Fe to AIF and CIF - payload (cleartext)	AF2AIF AF2CIF
	TLS_Ob_5	Auth processing Inner hash	
	TLS_Ob_6	Crypto processing to COF	
	TLS_Ob_7	Fe to AIF - Outer State (MD5 - 16 bytes; SHA1 - 20 bytes)	AF2AIF
	TLS_Ob_8	Auth processing Outer hash	
	TLS_Ob_9	AOF to CIF - HMAC to crypto	FEEDBACK
	TLS_Ob_A	Crypto processing	
	TLS_Ob_B	Padding - on 3DES padding is done by CIF alignment unit	INTERNAL
	TLS_Ob_C	Crypto processing	

Auth_header = seq_num + content_type + version + payload_length

Table 4: TLS Inbound

Protocol & Direction	Label	Description	Data Source
TLS-3DES Inbound Pass 1	TLS_Ib_3DES_Crypto_1	Fe to CIF - Crypto Key (32 bytes)	MRF2CIF AF2CIF
	TLS_Ib_3DES_Crypto_2	FE to CIF - payload (ciphertext)	AF2CIF
	TLS_Ib_3DES_Crypto_3	Cryptoprocessing to COF	
TLS - 3DES Inbound Pass2	TLS_Ib_3DES_AUTH_1	Fe to AIF - Inner State (MD5 - 16 bytes; SHA1 - 20 bytes)	AF2AIF?
	TLS_Ib_3DES_AUTH_2	Fe to AIF - auth_header (13 bytes)	MRF2AIF
	TLS_Ib_3DES_AUTH_3	Fe to AIF - payload (cleartext)	AF2AIF
	TLS_Ib_3DES_AUTH_4	Auth Processing inner hash	
	TLS_Ib_3DES_AUTH_5	Fe to AIF - Outer State (MD5 - 16 bytes; SHA1 - 20 bytes)	AF2AIF
	TLS_Ib_3DES_AUTH_6	Auth processing outer hash	
	TLS_Ib_3DES_AUTH_5	Auth HMAC to AOF	
TLS - ARC4 Inbound	TLS_Ib_ac4_1	Fe to AIF - Inner State (MD5 - 16 bytes; SHA1 - 20 bytes)	AF2AIF?
	TLS_Ib_ac4_3	Fe to CIF - Crypto Key (260 bytes)	AF2CIF
	TLS_Ib_ac4_2	Fe to AIF - auth header (13 bytes)	MRF2AIF
	TLS_Ib_ac4_4	Fe to CIF - payload (ciphertext)	AF2CIF
	TLS_Ib_ac4_5	COF to AIF - crypto out to auth unit	FEEDBACK
	TLS_Ib_ac4_6	Auth processing inner hash	
	TLS_Ib_ac4_7	Fe to AIF - Outer State (MD5 - 16 bytes; SHA1 - 20 bytes)	AF2AIF
	TLS_Ib_ac4_8	Auth processing outer hash	
	TLS_Ib_ac4_9	Auth HMAC to AOF	

Auth_header = seq_num + content_type + version + payload_length